

HRUBISKOVÁ, K.; ULRICOVÁ, G.; HRUBÍSKO, M.

Apropos of hemotherapy of hypoproconvertinemia. Bratisl. lek.
listy 44 no.9:540-544 '64

1. Fakultna transfuzna stanica v Bratislave; veduci: doc.
MUDr. M. Hrubisko, C.Sc.

SOCHOR, J.; SLEZAK, P.; HRUBISKOVÁ, K.

Successful treatment of a case of afribinogenemia. Bratisl.
lek. listy 44 no.7:429-432 15 0 '64.

1. Gynekologicko-porodnicke oddelenie Obvodniho ustavu
narodniho zdravi Bratislava-vidiek, (veduci MUDr. J. Sochor,)
a Fakultna transfuzna stanica, (veduci doc. MUDr. M. Hrubiskova,
C. Sc.).

HRUBISKOVÁ,K.; HRUBÍSKO,M.

Use of Cohn's fraction I in gynecology and obstetrics. Česk.
gynek. 29 no.1:119-124 F'64

1. Fak. transf. stanica v Bratislavě; prednosta: doc.dr.M.
Hrubísko, CSc.

*

HRUBÍSKOVÁ, K.

80

CZECHOSLOVAKIA

HRUBISKOVA, K., MD., C. SC; Hrubisko, M.

Faculty Tranfusion Station (Z Fakultnej transfuznej
stanice), Bratislava (for both-)

Bratislava, Lekarsky obzor, No 7, 1963, pp 385-389

"On the Problem of the Disorders of Blood Coagulation
Mechanism in Chronic Liver Disease."

HRUBISKOVÁ, K.; ULRICOVÁ, G.; HRUBÍSKO, M.

Apropos of hemotherapy of hypoproconvertinemia. Bratisl. lek.
listy 44 no.9:540-544 '64

1. Fakultna transfuzna stanica v Bratislave; veduci: doc.
MUDr. M. Hrubisko, C.Sc.

HRUBISKO, M.; HRUBISKOVA, K. Technicka spolupraca CIRANOVA, M.;
ULLRICOVA, G.

Hemorrhage in von Willebrand's disease, its nature and therapy.
Bratisl. lek. listy 2 no.1825-33 '64

1. Fakultna transfuzna stanica, subkatedra hematologie a trans-
fuzie krvi SVDL v Bratislavе veduci: doc. MUDr. M. Hrubisko, C.Sc.

HAKL UN N, J.

STRAUSS, J.; HRUBON, J.; RAMPAS, J.; BURIAN, V.

Heterogenic eczema vaccinatum in adults and its virologic aspects.
Cas. lek. cesk 92 no. 49-50:1346-1350 4 Dec 1953. (CIML 25:5)

1. Of the Institute of Epidemiology and Microbiology (Director--Docent K. Raska, M.D.), Prague and of the Dermato-Venereological Department (Head--J. Hrubon, M.D.) of KUNZ, Liberec and of the Microbiological Department (Head--V. Burian, M.D.), of the District Epidemiological-Hygienic Station, Liberec.

HRUBON, Jiri

HRUBON, Jiri, MUDr., Liberec

Complications in smallpox vaccination. Prakt. lek., Praha 34
no.12:280-282 20 June 54.
(SMALLPOX, prevention and control
vacc. compl.)
(VACCINES AND VACCINATION
smallpox, compl.)

HRUBOS, Antonin, inz.

Automatic degreasing and pickling line. Stroj vyr. 12 no. 11:631-#33
164.

L. Moravia National Enterprise, Marianske Udoli near Olomouc.

HRUBOS, Ildiko

"Effect of the 'me factor on the production rate" by G.Arhipova.
Reviewed by Ildiko Hrubos. Stat szemle 41 no.8/9; 920-921 Ag-S
'63.

HRUBOS, Ildiko

"Criticism of consumption forecasting and some practical suggestions" by Vera Cao-Pinna. Reviewed by Ildiko Hrubes. Stat szemle 42 no.10:1064-1065 O '64.

HRUBOS, Ildiko

"General statistics" by Dr. Janos Ay, Dr. Istvan Palos,
Dr. Mihaly Zafir. Reviewed by Ildiko Hrubes. Stat szemle
42 no. 2:206-207 F '64.

1. Marz Karoly Kozgazdasagtudomanyi Egyetem.

HRV BUSKO, H.

- #24
- 30
1. [REDACTED] [REDACTED] [REDACTED]
2. [REDACTED] [REDACTED] [REDACTED]
3. [REDACTED] [REDACTED] [REDACTED]
4. [REDACTED] [REDACTED] [REDACTED]
5. [REDACTED] [REDACTED] [REDACTED]
6. [REDACTED] [REDACTED] [REDACTED]
7. [REDACTED] [REDACTED] [REDACTED]
8. [REDACTED] [REDACTED] [REDACTED]
9. [REDACTED] [REDACTED] [REDACTED]
10. [REDACTED] [REDACTED] [REDACTED]
11. [REDACTED] [REDACTED] [REDACTED]

ACC NR: AFCU25208

SOURCE CODE: CZ/0008/66/000/002/0247/0249

29

B

AUTHOR: Hruby, Arnost; Cermak, Karel; Mikulas, MiroslavORG: Institute of Physics of Solids, CSAV, Prague (Ustav fysiky pevných látok CSAV)TITLE: Preparation of pure cadmiumSOURCE: Chemicke listy, no. 2, 1966, 247-249

TOPIC TAGS: cadmium, metal purification, chemical precipitation, vacuum distillation, semiconducting material

ABSTRACT: The authors suggest a method for further purification of Cd of a purity 99.999% which is used in the preparation of semiconductors. The method is based on precipitation of various impurities from a solution of Cd sulfate. Some metals are precipitated by electrical current, and others by reagents. The purified product is distilled under vacuum. The purity of the product was about 99.9999%. Orig. art. has: 1 table. [JPRS: 35,397]

SUB CODE: 11, 07, 20 / SUBM DATE: 22Dec64 / ORIG REF: 004 / SOV REF: 001
OTH REF: 002Ls
Card 1/1

0916 0573

24.7100

Z/037/60/008/03/008/014
E073/E535AUTHOR: Hrubý, ArnoštTITLE: Preparation of Germanium Single Crystals with a Low
Dislocation DensityPERIODICAL: Československý časopis pro fysiku, 1960, Nr 3,
pp 225-229 + 1 plate

ABSTRACT: The author used the Czochralski method to grow a rod of 1 to 6 mm diameter and a length of 10 to 20 times the diameter. By increasing slowly the diameter during the further process of growth, single crystals up to 25 mm dia^{1/2}, weighing 250 g with a dislocation density of 10 to 100 cm⁻², were obtained from a 50 mm dia. crucible. The equipment used is basically similar to that described by W. C. Dunlap in his book "Introduction into the Physics of Semiconductors", the main difference being that in the apparatus used by the authors of this paper the heating element protruded to about 20 mm above the top edge of the graphite crucible in which the germanium was molten.

Card 1/2 Fig 1 shows a sketch of the equipment used. The author

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E073/E535

Preparation of Germanium Single Crystals with a Low Dislocation Density

concludes that there is a similarity in preparing single crystals with low dislocation densities for both germanium and silicon (see W. C. Dash, Ref 3) but experimental verification will still be necessary to determine whether this method is also suitable for other materials. Acknowledgments are expressed to Dr. Trousil for useful advice and to Mr. Irr for preparing the specimens.

There are 5 figures and 7 references, 4 of which are Czech, 1 Soviet and 2 English.

ASSOCIATION: Ústav technické fysiky ČSAV, Praha
(Institute of Technical Physics, ČSAV, Prague)

SUBMITTED: January 4, 1960

Card 2/2

HRUBY, inz.

Removal of insulation materials. Sdelnich 11 no. 6:222 Je '63.

1. Kovosvit, n.p., Sezimovo Usti.

Hirvay, A.

Distr: 4E2a

✓ New etching agent for revealing dislocations in copper
metallum and silicon monocrystals. Anton Hirvay (Czech.
Acad. Sci., Prague). *Carboles. Zasoby* 19, 10, 183 (1968).
3
1-AUG-74

"APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618230002-9

Replaces document 00513R000618230002-8
Approved for Release by the Central Intelligence Agency
in the National Security Interest

APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618230002-9"

SMIROUS, K. [deceased]; HRUBY, A.; STOURAS, L.

Influence of impurities on the electric and thermoelectric properties of CdSb single crystals. Chekhosl fiz zhurnal 13 no.5:350-357 '63.

1. Ustav fyziky pevných látek, Československá akademie věd, Praha.

ACCESSION NR: AP4018176

Z/0055/64/014/002/0130/0136

AUTHOR: Hruba, A.; Stourac, L.

TITLE: Electrical properties of CdSb single crystals doped with silver

SOURCE: Chekhosl. fiz. zhurnal, v. 14, no. 2, 1964, 130-136

TOPIC TAGS: electric property, CdSb single crystal, silver dope, electric conductivity, Hall effect, thermoelectric force, reciprocal temperature, extrinsic conduction, lattice mobility, hole, ionized acceptor, impurity center

ABSTRACT: An earlier paper (Czech. J. Phys., 13B, 1963) studied the properties of CdSb single crystals doped with elements of the first group of the periodic system. The present studies the electric and thermoelectric properties of CdSb single crystals weakly and heavily doped with silver, and gives measurements of the electrical conductivity, the Hall effect and the thermoelectric force of CdSb samples oriented along the crystallographic axis b with various concentrations of silver in three sets of graphs as a function of the reciprocal temperature. In extrinsic conduction, the temperature dependence of the lattice mobility of the holes was found to have the form T^{-1} in this direction. The paper discusses the

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ACCESSION NR: AP4018176

effect of the scattering of holes on ionized acceptors upon the temperature dependence of the mobility, and calculates the effective masses of holes in extrinsic conduction, finding that they increase as a function of the content of impurity centers: $m_p^* = (0.3 \text{ to } 0.65)m_0$ for $N_A = 4 \times 10^{15} \text{ to } 10^{19} \text{ cm}^{-3}$. Original has 1 table, 5 graphs and 10 numbered equations.

ASSOCIATION: Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague

SUBMITTED: 31Jul63	DATE ACQ: 18Mar64	ENCL: 00
SUB CODE: PH	NO REF Sov: 000	OTHER: 004

Card 2/2

HRUBY, A.; TROUSIL, Z.

Preparation of pure silicon monocrystals. Coll Cz Chem 25 no.9:
2313-2318 S '60, (EEAI 10:9)

1. Institut fur technische Physik, Tschechoslowakische Akademie der
Wissenschaften, Prag.

(Silicon)

24.7.90

3E146
S/058/62/000/003/067/092
A061/A101

AUTHOR: Hrubý, A.

TITLE: Spiral etch pits on almost dislocation-free germanium single crystals

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 18, abstract 3E146
("Chekhosl. fiz. zh.", 1961, v. B11, no. 9, 690 - 691, English)

TEXT: Ge single crystals were grown by Dash's method, but from considerably thicker initial crystals. The composition of the etching reagent, which is indicated, revealed, in addition to the previously known etch patterns, spiral ones on the (111) surface. Their density was $\sim 10^4 \text{ cm}^{-2}$. The use of a low-intensity ultrasonic field reduces the etching time. Spiral etch patterns are also revealed by another etching reagent (composition is given), but only on (100) surfaces. It is not clear as yet, whether spiral etch patterns are related to screw dislocations.

Yu. Osip'yan

[Abstracter's note: Complete translation]

Card 1/1

L 21319-66 T/EWP(t) IJP(c) JD
ACC NR: AP6003659

SOURCE CODE: CZ/0055/65/015/010/0740/0746

AUTHOR: Hraby, A.; Kubelik, I.; Stourac, L.

ORG: Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague

TITLE: Electrical conductivity and thermoelectric power of heavily doped P-type CdSb

SOURCE: Chekhslovatskiy fizicheskiy zhurnal, v. 15, no. 10, 1965, 740-746

TOPIC TAGS: cadmium compound, antimonide, Hall effect, Fermi statistical theory, Coulomb interaction, hole mobility, valence band, thermoelectric property

ABSTRACT: An investigation of the electrical conductivity, Hall effect, and thermoelectric power as a function of the temperature was performed in the (c) and (b) crystallographic directions on cadmium antimonide single crystals strongly doped with silver. The anisotropy of the electrical conductivity and the mobility of the holes and their mechanism of scattering on lattice vibrations and ionized acceptors are discussed. Also the density of states effective mass of holes is determined. The origin of the anisotropy of the hole mobility and the model of the CdSb valency band are considered. Graphs showing the temperature dependences of the electrical conductivity, thermoelectric power, Hall mobility of holes, and the hole effective mass are presented. Also a table showing the concentration of acceptors in different samples obtained from measurement of the Hall constant at 80K in both

Card 1/2

L 21319-66

ACC NR: AP6003659

(b) and (c) crystallographic directions is given. Measurement in the (a) crystallographic direction was not carried out because of brittleness of the material at this orientation. The thermoelectric power was analyzed by means of the general expression applicable for Fermi-Dirac statistics. The Brooks-Herring method of screened Coulomb potential was used in measuring the temperature dependence of hole mobility. The experiment showed that the valence band has two equivalent maxima on its axes of symmetry. The authors thank Prof. J. Tauc and V. Frei for advice and stimulating discussions, V. Miskova, J. Berankova and J. Kaspar for preparing CdS_{0.9} single crystals and M. Neuvirtova and J. Mrnavkova for help in the experimental work. Orig. art. has: 7 figures, 1 table, and 6 formulas. [Based on author's abstract]

SUB CODE: 20/ SUBM DATE: 14Apr65/ ORIG REF: 011/ OTH REF: 006/ SOV REF: 001/

Card 2/2 b

Distr: 4E1x(g)/4E2c/4E2d(b) 2 cys

✓ Preparation of germanium single crystals with small dislocation density. Arnost Hrubík (Ústav teh. fys. ČSAV, Prague). *Ceskoslov. J. Phys.* 10, 225-9 (1960).—Single crystals of Ge having a dislocation d. of 10^4 - 10^5 /sq. cm. have been prep'd. by very slow growth of a rod obtained by the Czochralski method. The wt. of the greatest crystals was up to 250 g. and their diam. up to 2.5 cm. The method is reproducible.
R. Zahradník

4

1 - JAD (HNY)

1 - A17C (T0)

1 - TSP (S)

4

HRUBY, Bohumil, inz.

Operational experience with additional dust heating.
Energetika Cz 12 no.10:528-529 O '62.

1. Severomoravske energetische zavody, n.p., Ostrava.

HRUBY, Eduard

Heat treatment and alitizing of casting from special steels.
Slevarenstvi 10 no.3:109-110 Mr '62.

1. Kralovopolska strojirma, Brno.

Z/056/62/019/008/006/007
I037/I237

AUTHOR: Hrubý, Eduard

TITLE: Heat-working and "alitace" of casts of special steels

PERIODICAL: Přehled technické a hospodářské literatury. Hutiectví a strojírenství v. 19, no. 8, 482, abstract HS62-6124 (1962, III, Slévarství 10, no. 3, 107-110)

TEXT: The procedure for glowing of casts from chrome-molybdenum steel. Improvement of the casts by sudden cooling from 960°C by immersing into oil and by annealing at 700°C for 4 hours. After glowing, the casts are worked out, degreased, immersed, flashed and neutralized, then flashed again and dried. After drying, the casts are filled with "alitacny" powder and stored. The "alitace" is carried out in gas furnaces in boxes. There are 2 references.

[Abstracter's note: Complete translation.]

Card 1/1

HRUBY, I.

Mollusk fauna of the eastern part of the Svitava plateau. p. 73. (CASOFIS;
ODDIL PRIRODOVEDNY, Vol. 126, No. 1, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HRUBY, J.

Preparing the tube for an aeronautical variometer. p. 277. (Kridla Vlasti,
No. 9, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957, Uncl.

HRUBY, J.; KOPACEK, J.

Glider pilots and theory. p. 309. (Kridla Vlasti, No. 10, May 1957, Praha,
Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

HRUBY, J.

HRUBY, J. Alkalinity of sparsely-soluble compounds of zinc concentrates
of low-metal content. p. 63.

Vol. 7, no. 2, Feb. 1957
HUTNIK
TECHNOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

HRVBY, Jaroslav

Distr: 4E2c

✓ Effect of chemical composition and of structure on electrical resistance of cast iron. Jaroslav Hrbý (Vysoká škola báňská, Ostrava, Czech.), Slovenský, 8, 248-31 (1958). Si is the most important element in cast-iron resistance couples. The metallurgical process has to be conducted very carefully for the dispersion of its content to be uniform. Mn and P have an insignificant effect on the elec. resistance; they can be neglected in work conditions. Pouring temp. does not influence the elec. resistance in conditions given. Humidity of molding mixt. has a considerable effect on elec. resistance and has, therefore, to be controlled. This section size effect manifests itself so that the specific resistance decreases with the decrease of the relative wall thickness. In the case that resistance couples of various sections will be cast from the same cast iron the corresponding specific resistance has to be considered in the design. Petr Schneider

cm

3

HRUBY, Jaroslav, inz.

Production of steel ingot moulds from molten pig iron. Hut listy 16
no.12:848-852 D '61.

1. Vyzkumny a zkusební ustav, Nova Hut Klementa Gottwaldova, Ostrava-
Kuncice.

(Steel ingots) (Cast iron)

HRUBY, Josip

Autopurification of the underground rivers as shown in the case
of river Dobra. Higijena, Beogr. 8 no.1:44-54 1956.

1. Institute of Hygiene, Karlovac.

(WATER

autopurification from bact. of underground rivers (Ser))

HRUBY, Julie

ZAHARIJA, Ivan; HRUBY, Julie; KOSUTIC, Zvonimir.

Small epidemic of leptospirosis australis in Croatia. Higijena
Beogr. 6 no.3-4:248-251 '54.

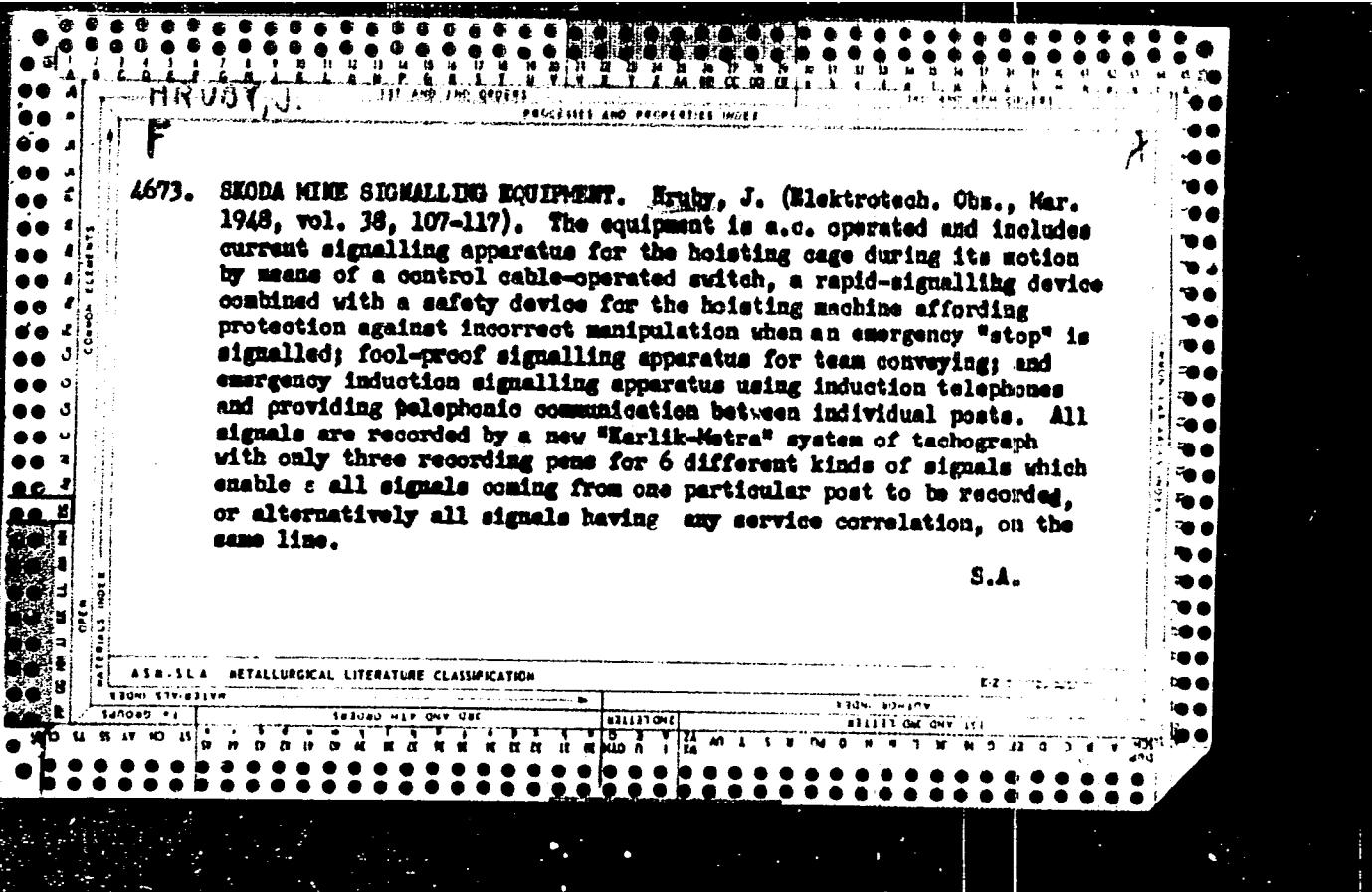
1. Centar za leptospirozu, Zagreb, Higijenski zavod, Karlovac i
Bolnica za zarazne bolesti, Zagreb.
(LEPTOSPIROSIS, epidemiology,
in Yugosl., leptospirosis australis)

HRUBEY, J.

SEKERA,A.; HRUBEY,J.; JARUBEC,I.; KRAL,J.; VRBA,C.; LEBDUSKA,J.

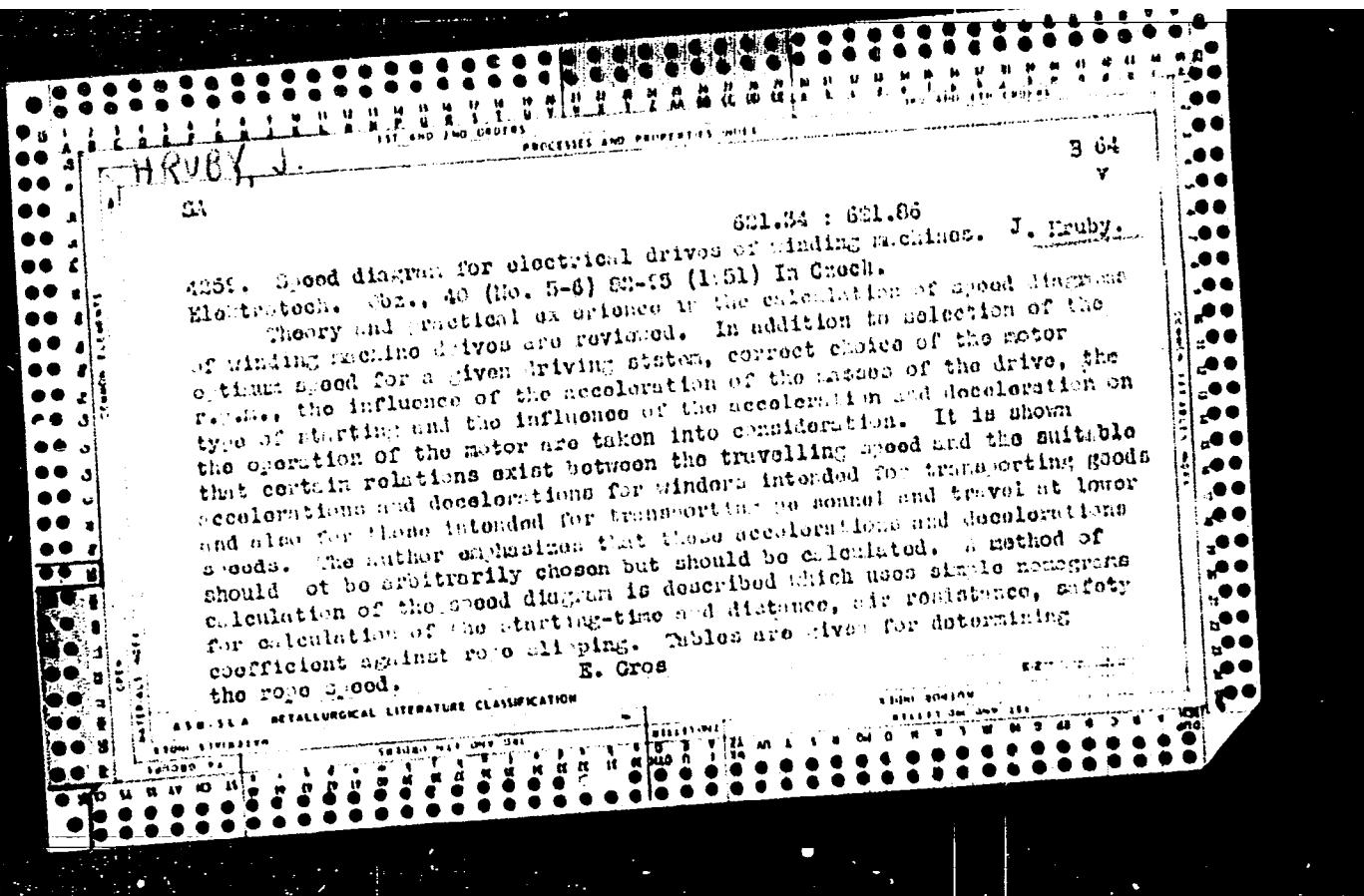
Local anesthetics. Basic esters of substituted carbamic acids [with summary in English]. Sbor.Chekh.khim.rab. 18 no.6:870-879 D '53.
(MLRA 7:6)

1. Department of Pharmaceutical Chemistry of the University, and Pharmacological Department of the Veterinary School, Brno.
(Anesthetics) (Carbamic acid) (Esters)



APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618230002-9"



HRUBY, J.

" Calculating Electric Drive of a Mining Machine, Suppl.," p.T 17.
(Elektrotechnicky Obzor, Vol.42, No.4, Apr. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Congress, September
1953, Uncl.

Hrubý, S.

✓ 3484 DRIVE CONTROL GEAR OF WINDING MACHINES
ACTUATED BY ASYNCHRONOUS MOTORS IN THE LENIN
WORKS J Hrubý.
Elektrotechnika, Vol. 49, No. 12, 633-47 (1964). In Czech.

VOLUME 1. DRIVE CONTROL OF WINDING MACHINES
ACTUATED BY ASYNCHRONOUS MOTORS IN THE LEVINS
WORKS J. Hrubý.

Elektrotech, OCZD, Vol. 43, No. 12, 633-47 (1964). In Czech.

Conditions for safe running are enumerated. The control equipment works on the principle of the velocity being interrelated to cage position. Schematic diagrams and descriptions of both the electrical and mechanical control arrangements are given for operating-speed control, over-current relays for permissible speed-limit control, automatic brake control of terminal velocities, and dynamic and reverse brake controllers. The safety control circuit embodies the auxiliary speed-control relays, the electro-pneumatic circuit breaker and the contractor of the terminal limit switches. The liquid starters of medium and large machines are servo controlled. The selected relay system ensures speed control over the entire range of the velocity diagram, unlike centrifugal switches which are set for one speed only

J C. Stark

Elec
by

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[REDACTED] which are set for one speed only [REDACTED]

V.C.S.W.

APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618230002-9"

HRUBY, J.

International Conference of the International Organization for Standardization in Leningrad. p. 231.

STROJIRENSTVI Vol. 5, no. 3, Mar. 1955

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

HRUBY, J.

Modern haulage machinery in the hoisting frame. p. 250.
(ELEKTROTECHNICKY OBZOR, vol. 44, no. 5, May, 1955, Praha)

SO: Monthly List of East European Accession,(EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

HROUZY, J.; PENICKA, Z.

Calculation of the rotor starting rheostats for hoisting equipment with asynchronous motors. p. 516.

Vol. 44, no. 10, Oct. 1955
ELEKTROTECHNICKY OBZOR
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

Hruby, J.

Automatic drive of a hoisting machine by means of a commutator motor.
p.134. ELEKTROTECHNICKY OBZOR. (Ministerstvo strojirenstvi a Ministerstvo
paliv a energetiky) Praha. Vol. 45, no. 3, Mar. 1956

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

HRUEY, J.

The treatment of slag from a lead-shaft furnace. p.127.
(Hutnik, Vol. 7, No. 4, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HRUBY, J.

Standards of the Ministry of Heavy Machine Manufacture. p. 387. (Strojirenstvi,
Vol. 7, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

HRUBY, J.; PENICKA, Z.

Formula and instructions for the calculation of rotor starting resistances. (2d supplement) p. T9.
(Elektrotechnicky Obzor, Vol. 46, no. 2, February 1957. Praha Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Uncl.

HRUBY, J.

"Fr. Poliak's Elektricke pohony I. (Electric Motors. Vol. 1); a book review."

p. 550 (Elektrotechnicky Obzor) Vol. 46½, no. 10, Oct. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

HRUBY, J.

Electrical drives of winding machines. p. 26.

CZECHOSLOVAK HEAVY INDUSTRY. SKODA NEWS, Praha, Czechoslovakia.
No. 2, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959.
Uncl.

HRAUBY, J.

"Efficient analysis of lead slags"

p. 92 (Rutnik, Vol. 8, No. 3, March 1958, Praha, Czechoslovakia)

Monthly Index of East European Acquisitions (EEAI) LC, Vol. 7, No. 9, September 1958.

HRUBY, J.

"Dynamic air resistances in hauling equipment."

CZECHOSLOVAK HEAVY INDUSTRY, Prague, Czechoslovakia, No. 4, 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8,
August 1959

Unclassified

HRUBY, J.: KAFTAN, J.

"R. F. Signaling equipment in mines controlled from the cage."

CZECHOSLOVAK HEAVY INDUSTRY, Prague, Czechoslovakia, No. 4, 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8,
August 1959

Unclassified

HRYV, J.

The dynamic resistance of air in hoisting installations. p. 12.

PRZEGLAD GORNICZY. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Górnictwa) Katowice, Poland. Vol. 15, no. 1/2, Jan./Feb. 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 8, No. 7, July 1959.

Uncl.

HRUBY, Josef; KAFTAN, Jaroslav

High-frequency signal device for hoisting cages. El tech obzor
48 no.5:261-267 My '59.

1. Zavody V.I.Lenina Plzen, n.p.

HRUBY, J.; Kaftan, J.

"High-frequency equipment for signals from the hoisting cage in mines."

ELEKTROTECHNICKY OBZOR, Praha, Czechoslovakia, Vol. 48, No. 5, May, 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8,
August 1959

Unclassified

HRURY, J.

Parallel arrangement of rotor-starting resistances. Technicka. p. T34.

ELEKTROECHNICKY OBZOR. Praha, Czechoslovakia. Vol. 48, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 2, Feb. 1960
Uncl.

23667-66

ACC NR: AP6025051

SOURCE CODE: CZ/0017/66/055/001/0010/0015
67
D

AUTHOR: Kucera, Josef (Engineer); Hruby, Josef

ORG: Skoda, Plzen

TITLE: Digital control of the magnetic field in winch motors

SOURCE: Elektrotechnicky obzor, v. 55, no. 1, 1966, 10-15

TOPIC TAGS: winch, electric motor, magnetic field, automatic control, rolling mill, cold rolling, emf, circuit design, metal drawing, digital system, oscilloscope

ABSTRACT: A brief summary is presented of the theoretical requirements for the electric drive of drawing winches used in cold-rolling band mills. An indirect analogous method for emf regulation, the theoretical assumptions for direct estimation of roll diameter from the measured travel of the band, and a new digital diameter-measuring method with magnetic field control in the motor are described. A circuit diagram, the results of practical oscillographic measurements and photographs of the digital controller built of Transimat units are presented. In conclusion a detailed discussion is given of the indirect analogous method for roll-diameter indication and of the digital methods of magnetic field control in the motors of drawing winches. This paper was presented by Z. Zedr. Orig. art. has: 8 figures and 12 formulas. [Based on authors' Eng. abstract] [JPRS: 35,322]

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Card 1/1

UDC: 621.34-55

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~~Country, Name, Address~~

Country: Czechoslovakia

Academic Degrees:

Affiliation: Institute of Hygiene (Ustav hygieny), Prague

Source: Prague, Ceskoslovenska Hygiena, No 4, May 61, pp 255-260

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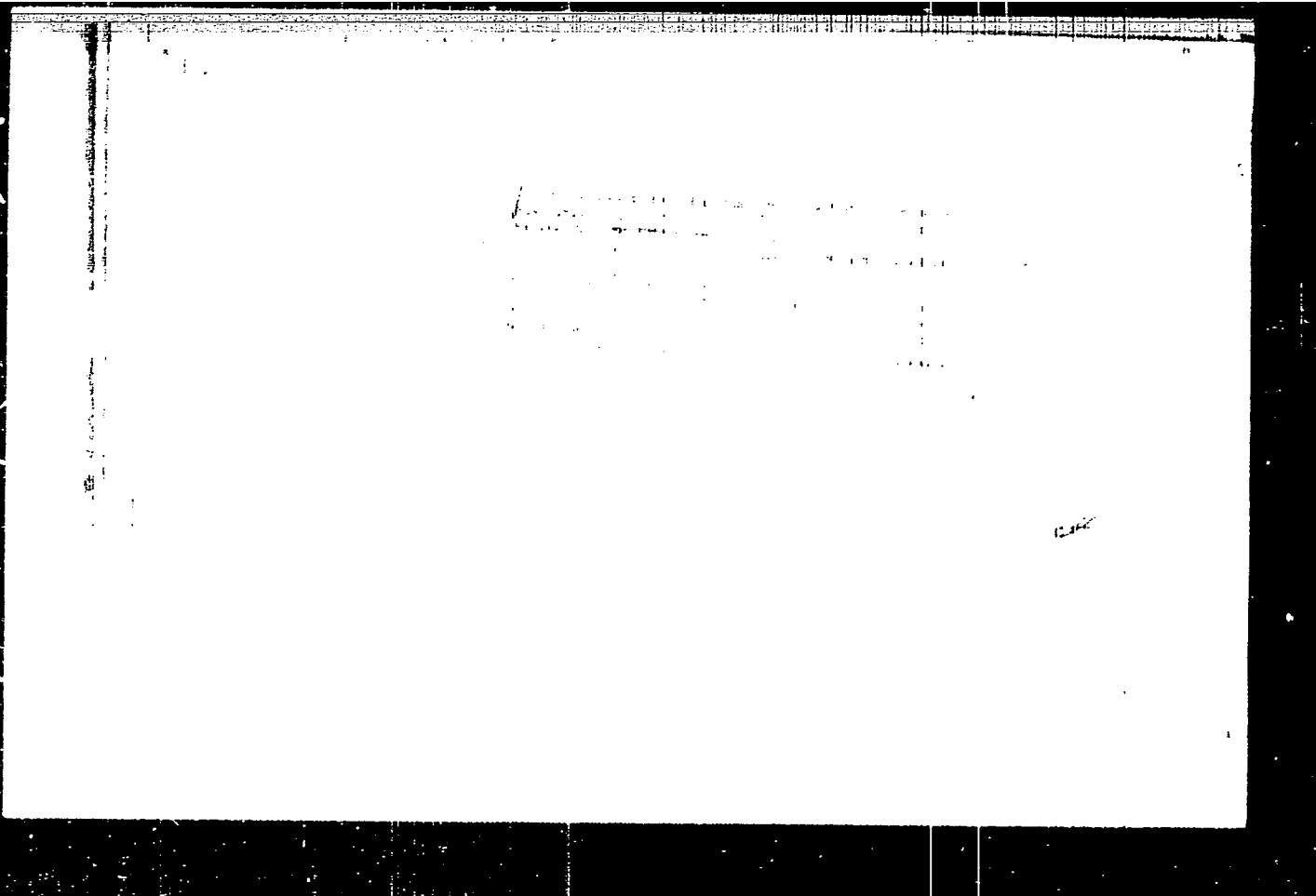
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17

Anesthesia of carbamic acid series. A. Sekera, L. Hraby, C. Vrbn, and J. Lebedvka (Masaryk Univ., Brno, Czech.). *Chem. Listy* 44, 275-8 (1950).—From excess RNCO and Et₂NCH₂CH₂OH, the following RNHCOOCCH₂CH₂NH₂ compds. were obtained by heating in toluene, filtering off the disubstituted urea after a few days standing, and pptg. the product with dry HCl in the form of its HCl salt in 80-90% yield. B.p.s. of RNCO and m.p.s. of RNHCOOCCH₂CH₂NH₂.HCl are given for the different R values Ph (b.p. 48-9°, m. 140.5°), 1-naphthyl (b.p. 130-1°, base m. 90.8°, picrate 134°), 2-naphthyl (m. 56.5°, m. 160°, m. 191.5°), o-tolyl (b.p. 63-4°, m. 168.5°), m-tolyl (b.p. 63-7°, m. 134.5°), p-tolyl (b.p. 49-51°, m. 186°), 2,4-(b.p. 63-7°, m. 134.5°), p-tolyl (b.p. 49-51°, m. 186°), 2,4-dimethylphenyl (b.p. 76-8°, m. 161°), p-MeOC₆H₄ (b.p. 98-100°, m. 171.5°), p-HOC₆H₄ (b.p. 100-1°, m. 173°). In addn., Ph₂NCOOCCH₂CH₂NH₂ (m. 180°) was prep'd. M. Hudlický

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7

✓ Continuous reduction of aromatic nitro compounds in the
gas phase. Jiri Hrubé and Jaroslav Radíček. Czech. 86,340,
May 16, 1957. Appr. procedure, and the prepn. of a highly
active catalyst (NiAl alloy with 0.3-1.5% V) are described
for the title reaction. Its activity is enhanced by extg.
continuously the alloy with alk. hydroxide soln., washing
it with hot condensate of the reaction components, and ad-
justing its alkalinity with H₂O vapor. L. J. Urbánek.

SB

6 May

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18 27

Roasting with a CaCl₂ addition of lead smelting slag.
Ulf Hrubý and Bohuslav Hadáček (Hutnický ústav CSAV,
Prague). Hutnické July 19, 700-8 (1968).—The normal en-
thalpy of fundamental reactions existing in the slag after a
CaCl₂ addn. was calc'd. A new method was proposed for
treating Pb smelting slag contg. Zn and Cu content with
CaCl₂. The exptl. values show that on roasting at 1100°
a sufficient quantity of nonferrous metals from the Pb
smelting slag is removed. Under conditions given, the
oxidizing roasting lowers the Fe losses to 8% max. With
the aid of CaCl₂, detrimental admixts., such as As, Sb, S, etc.,
are removed; these have a disturbing effect on treating Pb
smelting slag to obtain pig iron. Petr Schneider.

Distr: 4E2c

no ✓

CZECH/34-59-11-10/28

AUTHORS: Hadáček, Bohuslav and Hrubý, Jiří

TITLE: Formation of a Magnetic Component in Roasting Compounds
of Iron^{Mn} and Manganese²⁺

PERIODICAL: Hutičké listy, 1959, Nr 11, pp 963 - 970

ABSTRACT: The aim of the work described in this paper was to determine the most suitable conditions of formation of magnetic substances from mixtures of various Mn and Fe compounds. In the experiments, the authors studied the conditions which can influence the quantity of the magnetic component which occurs during roasting of Fe and Mn compounds. The aim of these experiments was to study the influence of the following: starting materials; atmosphere; temperature; Mn:Fe ratio and also the stability of the formed ferromagnetic substance in oxidation and reduction atmospheres at various temperatures and the solubility of the ferromagnetic substances in diluted H₂SO₄ and HNO₃ at room temperature and at 50 °C. The experiments are described in considerable detail, giving data of experiments on eleven mixtures.

Card1/2

Formation of a Magnetic Component in Roasting Compounds of Iron and
Manganese CZECH/34-59-11-10/28

The best results were obtained for a mixture of $MnCO_3$ and Fe_2O_3 . Optimum yield of Mn in the magnetic part was obtained for an Mn:Fe ratio of 1:2 to 1:1. There are 5 figures, 2 tables and 12 references, of which 1 is French, 3 are German, 6 English, 1 Soviet and 1 Czech.

ASSOCIATION: Hutnický ústav ČSAV, Praha
(Metallurgical Institute, ČSAV, Prague) ✓

SUBMITTED: September 1, 1959

Card 2/2

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S/194/62/000/010/084/084
A055/A126

Yel.

AUTHOR: Hrubý, Jiří

TITLE: Stroboscopic loop oscilloscope

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 10, 1962,
142, abstract 10-7-283shch P (Czech. pat., cl. 21e, 11/10, no.
99979, June 15, 1961)

TEXT: Intermittent or modulated light with a frequency coinciding with the frequency of the carrier-frequency generator is used for obtaining an image on the screen with the aid of the proposed oscilloscope, the recording being effected only near the maximum (or minimum) deflection. If the carrier-frequency is equal to ω , the light is interrupted or modulated so that the recording occurs in points $t = \frac{4k+1}{\omega} \pi$ (k being a natural number) or near them. The image takes the form of a broken line composed of arcs whose envelope represents the modulating voltage curve. With a finite width of the recording pitch and a corresponding low velocity, the arcs will merge into one line or band whose outer (sharp) boundaries represent the modulation voltage. The interruption (or modu-

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Stroboscopic loop oscillograph

S/194/62/000/010/084/084
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lation) of light in synchronism with the carrier frequency can be obtained: 1) by using a diaphragm controlled by an electromagnet, or a rotor diaphragm fastened on the axis of a motor fed or synchronized by the carrier-frequency current; 2) by rotating the plane of polarization of the polarized light source in an electric or magnetic field with a frequency equal to the carrier frequency; 3) by deflecting the light ray with the aid of an additional loop fed by the carrier-frequency current.

A.S.

[Abstracter's note: Complete translation]

Card 2/2

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than today. Tech praca 16 no.3:194-196 Mr '64.

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